Cobra®

SPX 6700
Maximum Performance
Radar/Laser Detector

Operating Instructions

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NOTE: This device complies with part 15 of FCC rules: Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation.

CAUTION: Modifications or parts not approved by Cobra Electronics Corporation may violate FCC Rules and void authority to operate this equipment.

Thank you for purchasing Cobra's maximum performance radar/laser detector. Please read this manual to familiarize yourself with the various features your detector offers.

Controls and Connections

Windshield Bracket Mounting Slot
LaserEye
For 360° detection of laser signals.
12V Power Jack
Power/Volume Control
• Press to turn power On and Off.
• Push forward or pull back to adjust volume.
IntelliMute Button
• Press to turn IntelliMute On/Off.
• Press & hold to set IntelliMute.
• Also enters IntelliMute setting mode (see IntelliMute section).
Dim Button
• Press to cycle through different brightness settings.
• Press & hold to turn SmartPower On/Off.
Mute/Set Button
• Press once to manually mute audio alerts.
• Press & hold to switch between Voice or Tone Alert*
City Button
• Press to select City (filtering) Mode or Highway Mode.
• Press & hold to turn Low Car Voltage Warning On/Off.

* See Buttons and Controls chart for additional information.

Mounting

Your detector should be mounted on the windshield or dashboard of your vehicle. Two mounting options are included:

Suction Cup Mount –
This is the best option for portability and moving the detector from car to car. Make sure to thoroughly clean the suction cups and windshield mounting area to insure a tight seal.

Suction Cup Mount

Hook and Loop Fastener–
Included for dashboard mounting.

Hook & Loop Fastener

Your detector should be mounted so that it is oriented parallel to the road.

Correct Position

Incorrect Positions

The suction cup mount comes standard bent at a 45° angle. The metal is designed to bend without breaking. Adjust the angle so when mounted the detector is level with the road.

Avoid blocking the detector's view by windshield wiper blades or dark tinting at the top of the windshield.

Note: Do not attempt to bend the mount while the detector is attached.

Powering

Plug in your detector using the included cigarette lighter adapter.

Turn your detector on/off by pressing the **Power/Volume** switch on the side of the unit. The unit will light up.

12V Cigarette Lighter Adapter

12V Power Jack

Power/Volume Control

Types of Screens

1. Standby Screen

City/Highway Indicator: Shows current filtering mode.

Vehicle Battery Voltage: Displays your car battery voltage and automatically warns you if this drops below 11.9V.

Car Battery Low Voltage Warning
In addition to displaying system voltage, your detector can provide a warning that battery voltage is low so that timely steps can be taken to correct the problem. The Car Battery Low alert is triggered when the voltage drops below 11.9 volts. Following the alert, the unit enters SmartPower mode to avoid further draining your car battery.

IntelliMute Indicator: Indicates status of IntelliMute. See IntelliMute section for details.

2. Alert Screens

Radar bands consist of X-band, K-band, Ka-band, and Ku-band. With radar signals, the signal strength meter shows the strength of the radar gun as well as relative proximity to the source. With Ka-band, you will also be notified of the actual Ka-band radar gun frequency being used.

With Laser signals, you will always receive full alert and pulse rate (PPS) of the corresponding laser gun being used. Laser PPS currently in use are: 100, 125, 130, 200, 238 and 340.

Buttons and Controls

You can change your detector's user/alert settings by pressing one or more of the Control buttons as shown below.

Function	Press	Button			
		Dim	iMute	Mute	City
Single Button Press:					
SmartPower On/Off	>4 Seconds	•			
iMute On/Off/ Pro	<2 Seconds		•		
IntelliMute-Set Activation RPM	>2 Seconds		•		
Auto Mute On/Off	<2 Seconds			•	
Voice/Tone	>2 Seconds			•	
Double Button Press:					
Low Car Voltage Warning On/Off	>2 Seconds				•
X Band On/Off	>4 Seconds	•		•	
Ku Band On/Off	>4 Seconds		•		•
Safety Alert On/Off	>4 Seconds			•	•
VG-2 and Spectre On/Off	>4 Seconds	•	•		
POP Alert On/Off	>4 Seconds	•			•

Quad-level IntelliSheild™ False Signal Rejection: Highway Mode provides full immediate response to all signals detected. Use this mode when you are driving on interstate highways. Automatic door openers operate in X and K-band frequencies. To minimize unwanted false alerts in an urban environment where these sources exist, use one of the City Filtering Modes below:

- **City X:** automatically mutes X-band audible alert until signal strength reaches level 3 or above.
- **City X+K:** combined with City X, automatically mutes K-band audible alert until signal strength reaches level 2 or above.
- **City Plus X+K+Ka:** combined with City X+K, adds filtering to Ka-band.
- **City MAX:** Maximum filtering against urban false signal sources.

The **City** modes can also be adjusted by pressing the **City** button for 2 seconds.

IntelliMute®: IntelliMute allows you to avoid audible alerts you don't need to hear because you are stopped or moving slowly. By sensing the RPMs of your engine, IntelliMute knows when you are at low speed and automatically mutes alerts. You can set your preferred engine RPM activation point and/or turn on/off IntelliMute by the IntelliMute button for more than 2 seconds.

IntelliMute® continued

- IntelliMute Engine RPM Activation Point Not Set.
- IntelliMute On/Above Set Engine RPM Activation Point.
- IntelliMute On/Below Set Engine RPM Activation Point.

Note: IntelliMute may not work with some vehicles, especially hybrids or EVs because the detector cannot sense the engine RPMs. In such case, Quad-level IntelliShield City Filtering or Auto Mute can help reduce unwanted audible alerts.

IntelliMute® Pro: IntelliMute Pro prevents detection by radar detector detectors (RDDs) such as VG-2, Spectre I and Spectre IV when traveling at slower speeds. It is intended for use by experienced users only.
When IntelliMute Pro is turned On and engine RPMs are below the IntelliMute Pro Activation Point, your detector's radar detection circuits are turned Off to prevent detection by RDDs.

IntelliMute Pro cannot be turned on until IntelliMute is turned on and set. The IntelliMute Pro icon will appear in the display when IntelliMute Pro is On and the Activation Point has been set. Whenever engine RPMs are below the Activation Point, the arrow points down with the "i" blinking. When RPMs are above the Activation Point the arrow points up with the "i" blinking.

Auto Mute Mode

When Auto Mute is On, the audio volume of all alerts is automatically reduced after 4 seconds. The signals will remain muted for as long as the signal is detected. When Auto Mute is Off, the alerts will sound at full volume for as long as the signal is detected. The factory setting for Auto Mute is On.

Illumination

The display illumination intensity can be adjusted to suit driving conditions:

- **Bright** for daytime driving. (Factory default is Bright, then Display Timeout after 1 minute).
- **Dim** for dusk driving.
- **Dark** to blank the screen for discreet use. In this mode, alerts will sound but not show. (The display scanner circle will move slowly back and forth near the bottom of the screen to indicate the unit is turned On).

You can adjust the illumination by pressing the **Dim** button and to step through the levels in the sequence listed above.

Display Timeout

Your detector has a Display Timeout mode. After 1 minute, the screen will change to Dark from Bright, Dim, or Dimmer. In Display Timeout mode, the display scanner circle will move slowly back and forth near the bottom of the screen to indicate the unit is turned On and detecting.

Note: While at the Dark level under timer control, any alert will turn the display back on at the last brightness setting (Bright, Dim or Dimmer). Touching any button will also turn On the the display.

SmartPower Mode

Your detector includes the SmartPower feature that, when turned On, will put the unit into Low Power mode 15 minutes after the car's engine has been turned Off.

Before SmartPower enters Low Power mode, you will hear three beeps and SmartPower will flash on the display. To return the unit to Normal Power mode and exit Low Power mode, start the car, press any button or turn the unit Off and then On again. The factory setting is SmartPower On.

Car Battery Low Voltage Warning

In addition to displaying system voltage, your detector can provide a warning that battery voltage is low so that timely steps can be taken to correct the problem. The Car Battery Low alert is triggered when the voltage drops below 11.9 volts. Following the alert, the unit enters SmartPower mode to avoid further draining your car battery.

Detection

Your detector is capable of detecting the following signals in addition to X, K, Ka, Ku-Band and Laser signals.

Instant-On Signals: Your detector is designed to detect Instant-On speed monitoring signals, which can suddenly appear at full strength on your detector's signal strength indicator.

POP Detection: Your detector is designed to detect single pulse mode radars. These radars are designed to have a low probability of detection. You should note that these radar guns have a much shorter range while in this mode.

VG-2, Spectre 1, & IV+: Police use radar detector detectors (RDDs) to spot users of radar detectors in a commercial vehicle. Your detector is able to identify signals from VG-2, Spectre I, and Spectre IV RDDs and can provide alerts when any of these or similar devices are in use near your vehicle.

You can choose whether you want to be alerted to VG-2, Spectre I, & IV RDD signals.

Safety Alert Traffic Warning System: FCC-approved Safety Alert transmitters emit microwave radar signals that indicate the presence of a safety-related concern. Depending on the frequency of the signal emitted, it can indicate a speeding emergency vehicle or train, or a stationary road hazard.

Because these microwave signals are within the K band frequency, most conventional radar detectors will detect Safety Alert signals as standard K band radar. Your detector, however, is designed to differentiate between standard K band and Safety Alert signals, and give separate alerts for each.

When you receive such an alert, please watch for emergency vehicles ahead of you, on cross streets and behind you. If you see an emergency vehicle approaching, please pull over to the right side of the road and allow it to pass.

Strobe Alert: Special strobes mounted on the light bars of authorized emergency vehicles (fire trucks, police cars, ambulances) automatically change traffic signals as the vehicle approaches an intersection. These strobes and the special strobe detectors located on the traffic signals, introduced fairly recently by 3M and Tomar, are already in use in more than 1000 cities nationwide. Cobra's exclusive Strobe Alert detector will detect these special strobes and give an emergency vehicle alert.

When you receive such an alert, please watch for an approaching emergency vehicle and pull over to allow it to pass. To inquire about coverage in your area, contact your local fire and police departments.

Responding to Alerts*:

Description	Interpretation	Recommended Response
Tone repeats slowly at first, then speeds up rapidly.	Probably police radar.	FULL ALERT
Tone sounds one time only.	Probably a false alarm, but possibly pulsed radar, Spectre I or IV+ or VG-2 nearby.	Exercise caution
Tone instantly begins repeating rapidly.	Radar, Spectre I or IV+ or VG-2 nearby has been activated suddenly.	FULL ALERT
Tone repeats slowly as you approach a hill or bridge, then speeds up sharply as you reach it.	Probably police radar beyond the hill or bridge.	FULL ALERT
Tone repeats slowly for a short period.	Probably a false alarm.	Exercise caution
Any type of laser alert.	Laser alerts are never false alarms.	FULL ALERT
Any Safety Alert.	You are nearing an emergency vehicle, railroad crossing or road hazard (construction, accident, etc.).	Exercise caution

*To turn these Detection features On or Off, see "Buttons & Controls" chart.

Product and Customer Service

For any questions about operating or installing this new Cobra product, or if parts are missing…**PLEASE CALL COBRA FIRST**…do not return this product to the store. See customer assistance below.

If this product should require factory service, please call Cobra before sending the product. This will ensure the fastest turn-around time on any repair. If Cobra asks that the product be sent to its factory, the following must be furnished to have the product serviced and returned:

1. For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. Make sure the date of purchase and product model number are clearly readable. If the originals are sent, they cannot be returned;
2. Send the entire product;
3. Enclose a description of what is happening with the product. Include a typed or clearly printed name and address of where the product is to be returned, with phone number (required for shipment);
4. Pack product securely to prevent damage in transit. If possible, use the original packing material;
5. Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or Priority Mail to avoid loss in transit to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 U.S.A.;
6. If the product is in warranty, upon receipt of the product it will either be repaired or exchanged depending on the model. Please allow approximately 3 - 4 weeks before contacting Cobra for status. If the product is out of warranty, a letter will automatically be sent with information as to the repair charge or replacement charge.

For any questions, please call 773-889-3087 for assistance.

Should you encounter any problems with this product, or not understand its many features, please refer to this owner's manual. If you require further assistance after reading this manual, Cobra Electronics offers the following customer assistance services:

For Assistance in the U.S.A.
Automated Help Desk English only. 24 hours a day, 7 days a week 773-889-3087 (phone).

Customer Assistance Operators English and Spanish.
8:00 a.m. to 5:30 p.m. Central Time Mon. through Fri. (except holidays) 773-889-3087 (phone).

Questions English and Spanish. Faxes can be received at 773-622-2269 (fax).

Technical Assistance English only. www.cobra.com (on-line: Frequently Asked Questions).

English and Spanish: productinfo@cobra.com (e-mail).

For Assistance Outside the U.S.A. Contact Your Local Dealer

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Limited 1-Year Warranty

For Products Purchased in the U.S.A.
Cobra Electronics Corporation warrants that its Cobra Radar/Laser Detectors, and the component parts thereof, will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

Cobra will, without charge, repair or replace, at its option, defective Radar/Laser Detectors, products or component parts upon delivery to the Cobra Factory Service Department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra's expense, if the product is repaired or replaced under warranty.

This warranty gives you specific rights, and you may also have other rights which vary from state to state.

Exclusions: This limited warranty does not apply:

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced or removed.
4. If the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty.

Cobra shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.